MATHEMATICS TARGETS - A YEAR 2 MATHEMATICIAN

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Number and place value

I can count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.

I can read and write numbers to at least 100 in numerals and in words.

I can compare and order numbers from 0 up to 100; using < > = signs.

I recognise the place value of each digit in a 2-digit number.

I can identify, represent and estimate numbers using different representations, including the number line.

I can use place value and number facts to solve problems.

Calculations

I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.

I can add and subtract mentally, including:

A 2-digit number and ones

A 2-digit number and tens

Two 2-digit numbers

Adding three 1-digit numbers

I can add and subtract numbers using concrete objects and pictorial representations, including:

A 2-digit number and ones

A 2-digit number and tens

Two 2-digit numbers

Adding three 1-digit numbers

I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.

I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.

I can solve problems with addition and subtraction applying my increasing knowledge of mental and written methods.

I can recall and use multiplication and division facts for the 2, 5 and 10x tables, including recognising odd and even numbers.

I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs.

I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.

I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Fractions

I recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.

I can write simple fractions.

I recognise the equivalence of 2/4 and 1/2.

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Measurement

I can compare and order lengths, mass, volume/capacity and record the results using > < and =.

I can choose and use standard units to estimate and measure length/height in any direction in m and cm using rulers.

I can choose and use standard units to estimate and measure mass in kg and g using scales.

I can choose and use standard units to estimate and measure temperature in ºC using thermometers.

I can choose and use standard units to estimate and measure capacity in l and ml using measuring vessels.

I recognise and use symbols for £ and p and combine amounts to make a particular value.

I can find different combinations of coins that equal the same amount of money.

I can tell and write the time to five minutes, including quarter to/past and draw the hands on a clock face to show these times.

I can compare and sequence intervals of time.

I know the number of minutes in an hour.

I know the number of hours in a day.

I can solve simple problems in a practical context involving addition and subtraction of money of the same units, including giving change.

Geometry – properties of shapes

I can compare and sort common 2D shapes and everyday objects.

I can compare and sort common 3D shapes and everyday objects.

I can identify and describe the properties of 2D shapes, including the number of sides and line of symmetry in a vertical line.

I can identify and describe the properties of 3D shapes including the number of edges, vertices and faces.

I can identify 2D shapes on the surface of 3D shapes.

Geometry – position and direction

I can order and arrange combinations of mathematical objects in patterns and sequences.

I can use mathematical vocabulary to describe position, direction and movement.

Statistics

I can interpret and construct simple pictograms.

I can interpret and construct tally charts.

I can interpret and construct block diagrams.

I can interpret and construct simple tables.

I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.

I can ask and answer questions about totalling and comparing categorical data.

Mathematics Targets

Exceeding Year 2 Expectations

I can count reliably up to 1000 in 2s, 5s and 10s.

I can count on and back in multiples of 4, 8, 25, 50 and 100 from any given number to beyond 1000.

I can add and subtract fractions with a common denominator.

I can apply knowledge of number up to 100 to solve a one-step problem involving a addition, subtraction and simple multiplication and division.

I can apply knowledge of addition and subtraction to pay for items, up to £10, within a problem solving context.

I can add and subtract two 2-digit and numbers to 100.

I can use an appropriate strategy to add and subtract numbers that move between and through 100, for example, 97 + 7; 103 - 8.

I know about right angles and where they can be seen in the environment.

I can tell the time to 5 minute intervals with both analogue and digital clocks and relate one to the other.

I can measure, compare, add and subtract using common metric measures.